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PTO/SB/08A (10-96)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	107798,182
				Filing Date	03/10/2004
				First Named Inventor	VITERI, Fermin
				Group Art Unit	3746
				Examiner Name	Rodriguez
Sheet	1	of	16	Attorney Docket Number	3004.001

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
W.N.		864,017		Miller	08-20-1907	
		886,274		Tate	04-28-1908	
		1,013,907		Taylor	01-09-1912	
		1,227,275		Kraus	05-22-1917	
		1,372,121		Davis	03-22-1921	
		1,820,755		McMullen	08-25-1931	
		1,828,784		Perrin	10-27-1931	
		2,004,317		Forster	06-11-1935	
		2,033,010		Russell	03-03-1936	
		2,078,956		Lysholm	05-04-1937	
		2,168,313		Bichowsky	08-08-1939	
		2,218,281		Ridder	10-15-1940	
		2,359,108		Hoskins	09-26-1944	
		2,368,827		Hanson	02-06-1945	
		2,374,710		Smith	05-01-1945	
		2,417,835		Moore	03-25-1947	
		2,428,136		Barr	09-30-1947	
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		2,476,031		Farkas	07-12-1949	
		2,478,682		Blackwood	08-09-1949	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
W.N.		GB	6394	✓	Smith	05-28-1898		
		FR	350,612	✓	Braun	01-07-1905		
		GB	140,516	✓	Torazzi	03-23-1920		
		GB	271,706	✓	Schmid	05-26-1927		
		DE	1,301,821	✓	Fabian	08-28-1969		
		DE	2,933,932	✓	Sternfeld	12-09-1982		
		DE	3,122,338	✓	Rohatscheck	05-19-1983		
		DE	2,111,602	✓	Stahl	07-06-1983		
		EP	0,197,555	✓	Ramsaier	04-09-1986		
W.N.		DE	3,512,947	✓	Ramsaier	10-16-1986		

Examiner Signature	W.N.	Date Considered	1/14/05
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet		2	of	16	Application Number 107/98,182
					Filing Date 03/10/2004
					First Named Inventor VITERI, Fermin
					Group Art Unit 3746
					Examiner Name
					Attorney Docket Number 3004.001

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WR		2,487,435		Goddard	11-08-1949	
		2,523,656		Goddard	09-26-1950	
		2,547,093		Ray	04-03-1951	
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		2,568,787		Bosch	09-25-1951	
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		2,654,217		Rettaliata	10-06-1953	
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		2,763,987		Kretschmer	09-25-1956	
		2,770,097		Walker	11-13-1956	
WR		2,832,194		Kuhner	04-29-1958	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
WR		EP	0413199	✓	Siemens	02-20-1991		
		JP	WO 91/02886	✓	Muraki	03-07-1991		
		EP	0546501	✓	Drnevich	06-16-1993		
		US	WO 94/10427	✓	Ginter	05-11-1994		
		EP	06318464	✓	Hiroshi	11-15-1994		
		EP	0634562	✓	Scharpf	01-18-1995		
		US	WO 96/07024	✓	Beichel	03-07-1996		
		US	WO 97/44574	✓	Collin	11-27-1997		
		US	WO 99/22127	✓	Beichel	05-06-1999		
WR		US	WO 99/63210	✓	Ursin	12-09-1999		

Examiner Signature WR	Date Considered 1/14/05
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Sheet	3	of	16		

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WR		2,869,324		Foote	01-20-1959	
		2,884,912		Lewis	05-05-1959	
		2,916,877		Walter	12-15-1959	
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		3,459,953		Hughes	08-05-1969	
WR		3,559,402		Stone	02-02-1971	

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		Office ³	Number ⁴	Kind Code ² (if known)				
WR		EP	2001015134	✓	Yasuaki	01-19-2001		
WR		EP	2001085036	✓	Tadashi	03-30-2001		
WR		US	WO 01/75277	✓	Demetri	10-11-2001		
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		Number	Kind Code ² (if known)			
ln		4,273,743		Barber	06-16-1981	
		4,297,841		Cheng	11-03-1981	
		4,313,300		Wilkes	02-02-1982	
		4,327,547		Hughes	05-04-1982	
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		4,434,613		Stahl	03-06-1984	
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		4,465,023		Wagner	08-14-1984	
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		4,499,721		Cheng	02-19-1985	
		4,509,324		Urbach	04-09-1985	
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		4,528,811		Stahl	07-16-1985	
		4,533,314		Herberling	08-06-1985	
		4,549,397		Cheng	10-29-1985	
		4,622,007		Gitman	11-11-1986	
		4,631,914		Hines	12-30-1986	
ln		4,657,009		Zen	04-14-1987	

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		Attorney Docket Number	3004.001		
Sheet	7	of	16		

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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W		5,088,450		Sternfeld	02-18-1992	
		5,103,630		Correa	04-14-1992	
		5,131,225		Roettger	07-21-1992	
		5,175,994		Fox	01-05-1993	
		5,175,995		Pak	01-05-1993	
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		5,265,410		Hisatome	11-30-1993	
		5,285,628		Korenberg	02-15-1994	
		5,304,356		Iijima	04-19-1994	
		5,329,758		Urbach	07-19-1994	
		5,353,589		Althaus	10-11-1994	
		5,363,642		Frutschi	11-15-1994	
		5,364,611		Iijima	11-15-1994	
		5,413,879		Domeracki	05-09-1995	
		5,417,053		Uji	05-23-1995	
		5,449,568		Micheli	09-12-1995	
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		5,479,781		Fric	01-02-1996	
		5,482,791		Shingai	01-09-1996	

[illegible]

Examiner Signature	<i>Ln</i>	Date Considered	1/14/08
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W		5,490,377		Janes	02-13-1996	
		5,491,969		Cohn	02-20-1996	
		5,511,971		Benz	04-30-1996	
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		5,541,014		Micheli	07-30-1996	
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		5,590,518		Janes	01-07-1997	
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		5,636,980		Young	06-10-1997	
		5,644,911		Huber	07-08-1997	
		5,678,408		Janes	10-21-1997	
		5,678,647		Wolfe	10-21-1997	
		5,679,134		Brugerolle	10-21-1997	
		5,680,764		Viteri	10-28-1997	
		5,687,560		Janes	11-18-1997	
W		5,709,077		Beichel	01-20-1998	

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		5,724,805		Golomb	03-10-1998	
		5,761,896		Dowdy	06-09-1998	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ²	Number ⁴	Kind Code ⁵ (if known)				

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Substitution for form 1449A/PTO <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	T07798,182
				Filing Date	03/10/2004
				First Named Inventor	VITERI, Fernin
				Group Art Unit	3746
				Examiner Name	
Sheet	11	of	16	Attorney Docket Number	3004.001

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1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Application Number		10/798,182			
Filing Date		03/10/2004			
First Named Inventor		VITERI, Fermin			
Group Art Unit		3746			
Examiner Name					
Attorney Docket Number		3004.001			
Sheet	12	of	16		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
wn		REINKENHOF, J. et al.; Steam Generation with Modified H2/O2 - Rocket Engines; unknown date	✓
		STERNFELD, H.; A Hydrogen/Oxygen Steam Generator for the Peak-Load Management of Steam Power Plants; unknown date	✓
		BRAUSER, S. et al.; A Proposed Hydrogen-Oxygen Power Cycle; 1967; Stillwater, Oklahoma	✓
		REESE, R. et al.; A Proposed Hydrogen-Oxygen Fueled Steam Cycle for the Propulsion of Deep Submersibles; 1971; Massachusetts	✓
		LOTKER, M.; Hydrogen for the Electric Utilities - Long Range Possibilities; 1974; Hartford, Connecticut	✓
		LUCCI, A. et al.; Title Unknown (IECEC '75 Record); 1975; Canoga Park, California	✓
		DE BIASI, V.; A Look into Real Payoffs for Combined Cycle Conversions; Gas Turbine World; 1984; pp. 17, 18, 20, 22	✓
		PAK, P. S. et al.; Closed Dual Fluid Gas Turbine Power Plant without Emission of CO2 into the Atmosphere; IFAC/IFORS/IAEE Symposium; 1989; Pergamon Press; Tokyo, Japan	✓
		YANTOVSKII, E. I.; The Thermodynamics of Fuel-Fired Power Plants without Exhaust Gases; November 1991; Geneva	✓
		YANTOVSKII, E. I.; Computer Exergonomics of Power Plants without Exhaust Gases; Energy Convers. Mgmt.; 1992; pp. 405-412; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	✓
		BOLLAND, O. et al.; New Concepts for Natural Gas Fired Power Plants which Simplify the Recovery of Carbon Dioxide; Energy Convers. Mgmt.; 1992; pp. 467-475; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	✓

Examiner Signature	wn	Date Considered	1/14/05
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Substitute for form 1449B/PTO		Complete if Known			
		Application Number	10/798,182		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	03/10/2004		
		First Named Inventor	VITERI, Fernin		
		Group Art Unit	3746		
		Examiner Name			
Sheet	13	of	16	Attorney Docket Number	3004.001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WR		HENDRIKS, C.A. et al.; Carbon Dioxide Recovery Using a Dual Gas Turbine IGCC Plant; Energy Convers. Mgmt.; 1992; pp. 387-396; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	✓
		MERCEA, P. V. et al.; Oxygen Separation from Air by a Combined Pressure Swing Adsorption and Continuous Membrane Column Process; Journal of Membrane Science; 1994; pp. 131-144; Cincinnati, Ohio	✓
		BOLLAND, O. et al.; Comparative Evaluation of Combined Cycles and Gas Turbine Systems with Water Injection, Steam Injection, and Recuperation; Transactions of the ASME; January 1995; pp. 138-140, 142-145; Vol. 117	✓
		The NOx Report; February 20, 1995; Vol. 1, No. 1	✓
		ALKAM, M. K. et al.; Methanol and Hydrogen Oxidation Kinetics in Water at Supercritical States; 1995; The University of Iowa; Iowa City, Iowa	✓
		RICE, I. G.; Steam-Injected Gas Turbine Analysis: Steam Rates; Journal of Engineering for Gas Turbines and Power; April 1995; pp. 347-353; Vol. 117	✓
		YANTOVSKII, E. I.; A Zero Emission Combustion Power Plant for Enhanced Oil Recovery; Energy; 1995; Vol. 20, No. 8; pp. 823-828	✓
		KOLP, D. A. et al.; Advantages of Air Conditioning and Supercharging an LM6000 Gas Turbine Inlet; Journal of Engineering for Gas Turbines and Power; July 1995; Vol. 117	✓
WR		EPA Proposes Across-the-Board Phase II NOx Limitations; Air Pollution Regulatory Analysis Service; January 19, 1996; Article No. 96-2	✓

Examiner Signature	WR	Date Considered	1/14/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	107798,182	
			Filing Date	03/10/2004	
			First Named Inventor	VITERI, Fermin	
			Group Art Unit	3746	
			Examiner Name		
Sheet	14	of	16	Attorney Docket Number	3004.001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
65		AGAZZANI, A. et al.; An Assessment of the Performance of Closed Cycles with and without Heat Rejection at Cryogenic Temperatures; International Gas Turbine and Aeroengine Congress & Exhibition; June 10-13, 1996; Birmingham, UK	
		FACCHINI, B. et al.; Semi-Closed Gas Turbine/Combined Cycle with Water Recovery and Extensive Exhaust Gas Recirculation; International Gas Turbine and Aeroengine Congress & Exhibition; June 10-13, 1996; Birmingham, UK	
		NAKHAMKIN, M. et al.; The Cascaded Humidified Advanced Turbine (CHAT); Journal of Engineering for Gas Turbines and Power; July 1996; pp. 565-571; Vol. 118	
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		BANNISTER, R. L. et al.; Development of a Hydrogen-Fueled Combustion Turbine Cycle for Power Generation; Transactions of the ASME; April 1998; pp. 276-283; Vol. 120	
		MATHIEU, P. et al.; Zero-Emission MATIANT Cycle; Transactions of the ASME; January 1999; pp. 116-120, Vol. 121	

Examiner Signature	<i>C. R.</i>	Date Considered	1/14/05
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<small>Substitute for form 1449B/PTO</small> INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>				Complete if Known	
Application Number		107/98,182			
Filing Date		03/10/2004			
First Named Inventor		VITERI, Fermin			
Group Art Unit		3746			
Examiner Name					
Attorney Docket Number		3004.001			
Sheet	15	of	16		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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W.R.		Norwegian Idea for CO ₂ -Free Power Generation; Greenhouse Issues; March 1999	✓
		AKER MARITIME; HiOx Gas Fired Power Plants without Atmospheric Emissions; June 1999	✓
		TURKENBURG, W. C. et al.; Fossil Fuels in a Sustainable Energy Supply: The Significance of CO ₂ Removal; A Memorandum at the Request of the Ministry of Economic Affairs the Hague; June 1999; pp. 1-26; Utrecht	✓
		BILGER, R. W.; Zero Release Combustion Technologies and the Oxygen Economy; Fifth Int'l Conference on Technologies and Combustion for a Clean Environment; July 1999; Lisbon, Portugal	✓
		BILGER, R. W.; The Future for Energy from Combustion of Fossil Fuels; Fifth Int'l Conference on Technologies and Combustion for a Clean Environment; July 1999; Lisbon, Portugal	✓
		HERZOG, H. et al.; Capturing Greenhouse Gases; Scientific American; February 2000; pp. 72-79	✓
		ANDERSON, R. E. et al.; A Unique Process for Production of Environmentally Clean Electric Power using Fossil Fuels; 8th International Symposium on Transport Phenomena and Dynamics of Rotating Machinery; March 2000; pp. 1-6; Honolulu, Hawaii	✓
		CHIESA, P. et al.; Natural Gas Fired CO ₂ Combined Cycles with Low CO ₂ Emissions; Journal of Engineering for Gas Turbines and Power; July 2000; pp. 429-436; Vol. 122	✓
W.R.		HENDRIKS, C.A. et al.; Costs of Carbon Dioxide Removal by Underground Storage; 5th International Conference on Greenhouse Gas Control Technologies (GHGT-5); August 2000; Cairns, Australia	✓

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